

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1486	375/346.CCLS.	US-PGPUB; USPAT	OR	ON	2006/09/29 08:14
L2	1375	375/316.CCLS.	US-PGPUB; USPAT	OR	ON	2006/09/29 08:14
L3	552	375/146.CCLS.	US-PGPUB; USPAT	OR	ON	2006/09/29 08:14
S1	10	"signal-to-interference+noise"	US-PGPUB; USPAT	OR	ON	2004/08/16 10:43
S2	23920	"375"/\$.CCLS. AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/16 10:44
S3	0	("375"/\$.CCLS. AND @pd<"20010504") AND (signal WITH noise).in.	US-PGPUB; USPAT	OR	ON	2004/08/16 10:44
S4	115	("375"/\$.CCLS. AND @pd<"20010504") AND (signal WITH noise).TI.	US-PGPUB; USPAT	OR	ON	2004/08/16 10:59
S5	29	("375"/\$.CCLS. AND @pd<"20010504") AND (signal WITH noise WITH ratio).TI.	US-PGPUB; USPAT	OR	ON	2005/09/07 09:47
S6	102	375/227.CCLS. AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/16 15:22
S7	0	375/227.CCLS. AND @pd<"20010504" AND "squared mean by variance"	US-PGPUB; USPAT	OR	ON	2004/08/16 11:14
S8	0	(375/227.CCLS. AND @pd<"20010504") AND SMV	US-PGPUB; USPAT	OR	ON	2004/08/16 11:15
S9	0	"squared mean by variance"	US-PGPUB; USPAT	OR	ON	2004/08/16 11:15
S10	363	SMV	US-PGPUB; USPAT	OR	ON	2004/08/16 11:16
S11	3	SMV AND "375"/\$.CCLS. AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/16 11:15
S12	0	SMV AND "370"/\$.CCLS. AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2005/09/07 08:27
S13	17	SMV AND "370"/\$.CCLS.	US-PGPUB; USPAT	OR	ON	2004/08/16 11:18
S14	12	squared ADJ3 mean ADJ3 variance	US-PGPUB; USPAT	OR	ON	2004/08/16 11:18
S15	5	(squared ADJ3 mean ADJ3 variance) AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/16 11:18
S17	39	"jeske".IN. AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2005/01/25 11:41

## EAST Search History

S18	12215	"SNR"	US-PGPUB; USPAT	OR	ON	2004/08/16 13:35
S19	10274	"SNR" AND (signal ADJ2 noise ADJ2 ratio)	US-PGPUB; USPAT	OR	ON	2004/08/16 15:43
S20	102	"SNR" AND ((signal ADJ2 noise ADJ2 ratio) WITH scale)	US-PGPUB; USPAT	OR	ON	2004/08/16 16:09
S21	32	("SNR" AND ((signal ADJ2 noise ADJ2 ratio) WITH scale)) AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/16 13:37
S22	593	"SNR" AND ((signal ADJ2 noise ADJ2 ratio) WITH estimate)	US-PGPUB; USPAT	OR	ON	2004/08/16 16:10
S23	200	("SNR" AND ((signal ADJ2 noise ADJ2 ratio) WITH estimate)) AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/16 14:12
S24	102	375/227.CCLS. AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/16 15:22
S25	0	375/227.CCLS. AND @pd<"20010504" AND (smooth\$ WITH variance)	US-PGPUB; USPAT	OR	ON	2004/08/16 15:23
S26	25	("SNR" AND (signal ADJ2 noise ADJ2 ratio)) AND (smooth\$ WITH variance)	US-PGPUB; USPAT	OR	ON	2004/08/16 15:23
S27	9	((("SNR" AND (signal ADJ2 noise ADJ2 ratio)) AND (smooth\$ WITH variance)) AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/16 15:36
S28	24	("SNR" AND (signal ADJ2 noise ADJ2 ratio)) AND (weighted WITH moving WITH average)	US-PGPUB; USPAT	OR	ON	2004/08/16 15:37
S29	6	((("SNR" AND (signal ADJ2 noise ADJ2 ratio)) AND (weighted WITH moving WITH average)) AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/16 15:37
S30	1368	("SNR" AND (signal ADJ2 noise ADJ2 ratio)) AND (mean AND variance)	US-PGPUB; USPAT	OR	ON	2004/08/16 15:43
S31	76	("SNR" AND (signal ADJ2 noise ADJ2 ratio)) AND (mean WITH sample\$ WITH variance)	US-PGPUB; USPAT	OR	ON	2004/08/16 15:44
S32	0	((("SNR" AND (signal ADJ2 noise ADJ2 ratio)) AND (mean WITH sample\$ WITH variance)) AND @pd<"2001004"	US-PGPUB; USPAT	OR	ON	2004/08/16 15:44
S33	30	((("SNR" AND (signal ADJ2 noise ADJ2 ratio)) AND (mean WITH sample\$ WITH variance)) AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/16 15:44

## EAST Search History

S34	1129	((signal ADJ2 noise ADJ2 ratio) WITH estimate)	US-PGPUB; USPAT	OR	ON	2004/08/16 16:10
S35	69	((((signal ADJ2 noise ADJ2 ratio) WITH estimate)) AND (scale WITH estimate))	US-PGPUB; USPAT	OR	ON	2004/08/16 16:10
S36	22	(((((signal ADJ2 noise ADJ2 ratio) WITH estimate)) AND (scale WITH estimate)) AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/16 16:11
S37	2682	"signal" WITH "strength" WITH indicator	US-PGPUB; USPAT	OR	ON	2004/08/25 17:13
S38	1240	("signal" WITH "strength" WITH indicator) AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/25 17:16
S39	51	((("signal" WITH "strength" WITH indicator) AND @pd<"20010504") AND SNR	US-PGPUB; USPAT	OR	ON	2004/08/25 17:25
S40	629	SINR	US-PGPUB; USPAT	OR	ON	2004/08/25 17:25
S41	86	SINR AND "mean" AND "variance"	US-PGPUB; USPAT	OR	ON	2004/08/25 17:25
S42	11	(SINR AND "mean" AND "variance") AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/08/25 17:25
S43	0	"squared mean by variance"	US-PGPUB; USPAT	OR	ON	2004/10/13 15:35
S44	8	"SMV" AND "375"/\$.CCLS.	US-PGPUB; USPAT	OR	ON	2004/10/13 17:06
S45	375	"SMV"	US-PGPUB; USPAT	OR	ON	2005/01/26 09:21
S46	228	squared WITH mean WITH variance	US-PGPUB; USPAT	OR	ON	2005/09/07 09:48
S47	35	(squared WITH mean WITH variance) AND SNR	US-PGPUB; USPAT	OR	ON	2005/06/27 06:53
S48	102	375/227.CCLS. AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/10/13 15:44
S49	203	smooth WITH variance	US-PGPUB; USPAT	OR	ON	2004/10/13 17:07
S50	3	(smooth WITH variance) AND SNR	US-PGPUB; USPAT	OR	ON	2004/10/13 17:06
S51	5	(smooth WITH variance) AND "375"/\$.CCLS. AND @pd<"20010504"	US-PGPUB; USPAT	OR	ON	2004/10/13 17:07
S52	103	smooth\$ ADJ3 variance	US-PGPUB; USPAT	OR	ON	2004/10/13 17:08
S53	13790	SNR	US-PGPUB; USPAT	OR	ON	2005/01/26 08:58

## EAST Search History

S54	41	S53 WITH "mean" WITH variance	US-PGPUB; USPAT	OR	ON	2005/01/25 09:05
S55	1	"4,463,375".pn.	US-PGPUB; USPAT	OR	ON	2005/01/25 09:05
S56	8	SNR.TI. AND @ad<"20000110"	US-PGPUB; USPAT	OR	ON	2005/01/25 09:35
S57	6	("4542514"   "5768473"   "5809065"   "6108610"   "6122015"   "6122610").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 09:53
S58	80691	variance	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 09:53
S59	27768	S58 and mean	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 09:54
S60	27768	mean AND variance	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 10:34
S61	18281	S60 AND signal	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 09:54
S62	10718	S61 AND @ad<"20010504"	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 09:54
S63	10381	S61 AND @ad<"20010405"	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 09:55
S64	2996	S63 AND (mean WITH variance)	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 09:55
S65	548	S63 AND (mean WITH variance WITH signal)	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 09:55
S66	534	S65 NOT S54	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 09:56
S67	37	S63 AND SINR	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 09:56
S68	11	("5216692"   "5623484"   "5832387"   "5930230"   "5987333"   "5991284"   "5991285"   "6222888"   "6240071"   "6278701"   "6285886").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 10:11
S69	83	"jeske".IN.	US-PGPUB; USPAT	OR	ON	2005/01/25 10:30

## EAST Search History

S70	1	"5,025,455".PN.	US-PGPUB; USPAT	OR	ON	2005/01/25 10:30
S71	775	mean WITH variance WITH sample\$	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 10:34
S72	6844	mean WITH variance	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 10:34
S73	95	S71 AND SNR	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 10:34
S74	53	S73 AND @ad<"20010405"	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/25 10:34
S75	9	"jeske".IN. AND daniel.IN.	US-PGPUB; USPAT	OR	ON	2005/01/25 11:42
S76	11	"jeske".IN. AND daniel.IN.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/01/25 11:42
S77	2	("6317456").URPN.	USPAT	OR	ON	2005/01/25 16:39
S78	6	("4542514"   "5768473"   "5809065"   "6108610"   "6122015"   "6122610").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/26 08:10
S79	77	SNR near pilot	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/26 08:10
S80	27	"pilot SNR"	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/26 08:10
S81	23	S79 AND @ad<"20010504"	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/26 08:29
S82	6	S80 AND @ad<"20010504"	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/26 08:10
S83	11	((SNR OR SINR) NEAR pilot) AND ((SNR OR SINR) NEAR data)	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/26 08:12
S84	22	S81 NOT S83	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/26 08:29
S85	13811	SNR	US-PGPUB; USPAT	OR	ON	2005/01/26 08:58
S86	211	S85 WITH scale	US-PGPUB; USPAT	OR	ON	2005/01/26 08:58

## EAST Search History

S87	48	S86 AND translate	US-PGPUB; USPAT	OR	ON	2005/01/26 08:58
S88	33	S87 AND @ad<"20010504"	US-PGPUB; USPAT	OR	ON	2005/01/26 09:10
S89	0	SNR NEAR (reduce ADJ2 (mean ADJ square\$ ADJ error))	US-PGPUB; USPAT	OR	ON	2005/01/26 09:11
S90	8	("5581580"   "5771461"   "5901185"   "5903610"   "6157847"   "6243444"   "6314131"   "6331975").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/01/26 09:11
S91	402	"SMV"	US-PGPUB; USPAT	OR	ON	2005/01/26 09:21
S92	2	S91 AND (squared ADJ mean)\	US-PGPUB; USPAT	OR	ON	2005/01/26 09:25
S93	1326	"maximum likelihood" AND SNR	US-PGPUB; USPAT	OR	ON	2005/01/26 09:23
S94	119	"maximum likelihood" AND SINR	US-PGPUB; USPAT	OR	ON	2005/01/26 09:23
S95	76	S93 AND S94	US-PGPUB; USPAT	OR	ON	2005/01/26 09:26
S96	34	S95 AND @ad<"20010504"	US-PGPUB; USPAT	OR	ON	2005/01/26 09:24
S97	0	S92 AND @ad<"20010504"	US-PGPUB; USPAT	OR	ON	2005/01/26 09:24
S98	0	S92 AND @ad<"20010404"	US-PGPUB; USPAT	OR	ON	2005/01/26 09:24
S99	0	S92 AND @ad<"20010503"	US-PGPUB; USPAT	OR	ON	2005/01/26 09:24
S10 0	2	S92 AND @ad<"20020101"	US-PGPUB; USPAT	OR	ON	2005/01/26 09:25
S10 1	0	S92 AND @ad<"20010405"	US-PGPUB; USPAT	OR	ON	2005/01/26 09:25
S10 2	0	S92 AND @ad<"20010305"	US-PGPUB; USPAT	OR	ON	2005/01/26 09:25
S10 3	0	S92 AND @ad<"20010101"	US-PGPUB; USPAT	OR	ON	2005/01/26 09:25
S10 4	0	"2001848411"	US-PGPUB; USPAT	OR	ON	2005/02/03 10:57
S10 5	0	"20018484111"	US-PGPUB; USPAT	OR	ON	2005/02/03 11:12
S10 6	1	"20040013189"	US-PGPUB; USPAT	OR	ON	2005/02/03 11:12
S10 7	45	(mean WITH variance WITH SNR)	US-PGPUB; USPAT	OR	ON	2005/06/27 07:05

## EAST Search History

S10 8	173	(mean SAME variance SAME SNR)	US-PGPUB; USPAT	OR	ON	2005/06/27 07:06
S10 9	128	S108 NOT S107	US-PGPUB; USPAT	OR	ON	2005/06/27 07:06
S11 0	70	S109 AND @ad<"20010504"	US-PGPUB; USPAT	OR	ON	2005/06/27 07:06
S11 1	1204	(mean WITH (SNR OR SINR OR (signal ADJ noise)))	US-PGPUB; USPAT	OR	ON	2005/09/07 08:27
S11 2	780	(variance WITH (SNR OR SINR OR (signal ADJ noise)))	US-PGPUB; USPAT	OR	ON	2005/09/07 08:27
S11 3	152	S111 AND S112	US-PGPUB; USPAT	OR	ON	2005/09/07 08:27
S11 4	85	S113 AND @ad<"20010504"	US-PGPUB; USPAT	OR	ON	2005/09/07 08:28
S11 5	290	(mean WITH variance WITH ratio)	US-PGPUB; USPAT	OR	ON	2005/09/07 09:47
S11 6	2	S115 AND "smv"	US-PGPUB; USPAT	OR	ON	2005/09/07 09:48
S11 7	268	squared WITH mean WITH variance	US-PGPUB; USPAT	OR	ON	2005/09/07 09:48
S11 8	27	S115 AND S117	US-PGPUB; USPAT	OR	ON	2005/09/07 10:14
S11 9	53367	(signal ADJ noise)	US-PGPUB; USPAT	OR	ON	2005/09/07 10:15
S12 0	32302	(signal ADJ noise ADJ ratio)	US-PGPUB; USPAT	OR	ON	2005/09/07 10:30
S12 1	352	S120 WITH scal\$	US-PGPUB; USPAT	OR	ON	2005/09/07 10:15
S12 2	42	S120 WITH scaled	US-PGPUB; USPAT	OR	ON	2005/09/07 10:15
S12 3	489	(signal ADJ noise ADJ ratio) WITH weight\$	US-PGPUB; USPAT	OR	ON	2006/09/05 10:37
S12 4	90	(signal ADJ noise ADJ ratio) ADJ4 weight\$	US-PGPUB; USPAT	OR	ON	2005/09/07 10:31
S12 5	61	S124 AND @ad<"20010504"	US-PGPUB; USPAT	OR	ON	2005/09/07 10:38
S12 6	23	WSNR	US-PGPUB; USPAT	OR	ON	2005/09/07 10:38
S12 7	1	"6614857".pn.	US-PGPUB; USPAT	OR	ON	2005/09/08 06:51
S12 8	1133	375/316.CCLS.	US-PGPUB; USPAT	OR	ON	2005/09/08 08:16
S12 9	1	"6317456".pn.	US-PGPUB; USPAT	OR	ON	2006/02/13 09:11

## EAST Search History

S13 0	1766	(signal ADJ2 noise ADJ2 ratio) WITH (mean OR variance)	US-PGPUB; USPAT	OR	ON	2006/09/05 10:39
S13 1	64	(signal ADJ2 noise ADJ2 ratio) WITH (mean AND variance)	US-PGPUB; USPAT	OR	ON	2006/09/05 10:41
S13 2	38	S131 AND @ad<"20010504"	US-PGPUB; USPAT	OR	ON	2006/09/05 10:41
S13 3	1	"6511280".pn.	US-PGPUB; USPAT	OR	ON	2006/09/06 12:36
S13 4	31	(SNR OR SNIR) AND weight ADJ3 initial	US-PGPUB; USPAT	OR	ON	2006/09/06 13:30
S13 5	0	(SNR OR SNIR) NEAR (weight ADJ3 initial)	US-PGPUB; USPAT	OR	ON	2006/09/06 13:30
S13 6	24	(SNR OR SNIR) NEAR (weight)	US-PGPUB; USPAT	OR	ON	2006/09/06 13:56
S13 7	7	("5917851" "6067293" "6069912"  "6192066" "6208683" "6304750"  "6507604").PN.	US-PGPUB; USPAT	OR	ON	2006/09/06 14:25
S13 8	1	"3216423".pn.	US-PGPUB; USPAT	OR	ON	2006/09/06 14:25